

Patent Claims:

1. Emulsifier-free cosmetic or dermatological preparations, which are finely dispersed systems of the water-in-oil type, comprising

- 5 1. an oil phase,
2. an aqueous phase and
3. one or more types of micronized, inorganic pigments which
  - 10 a) have an average particle size of less than 200 nm, and whose particles
  - b) have both hydrophilic and lipophilic properties, i.e. have an amphiphilic character, and thus position themselves at the water/oil interface, and which
  - 15 c) are selected from the group consisting of metal oxides, which
  - d) are optionally coated on the surface

and also

optionally comprising further cosmetic or pharmaceutical auxiliaries, additives and/or active substances.

2. Preparations according to Claim 1, characterized in that the content of the inorganic pigments used is between 0.1% by weight and 30% by weight, based on the total weight of the preparations.

25 3. Preparations according to Claim 1, characterized in that the particle diameter of the inorganic pigments used is between 5 nm and 100 nm.

4. Preparations according to Claim 1, characterized in that the inorganic pigment(s) used are titanium dioxide and/or zinc oxide.

5. Preparations according to Claim 1, characterized in that one of the inorganic pigments used is talc.

6. Preparations according to Claim 1, characterized in that the inorganic pigments used have been surface-treated to repel water, the amphiphilic character of the pigments being formed or retained.

35 7. Preparations according to Claim 1, characterized in that the inorganic pigments used have been coated with

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dimethylpolysiloxane and/or silica gel and/or aluminium hydroxide and/or silicon dioxide.

8. Preparations according to Claim 1, characterized in that the inorganic pigments used are titanium dioxide particles coated with simethicone and alumina.

9. Preparations according to Claim 1, characterized in that other pigments are present in addition to the amphiphilic inorganic pigments.

10. Preparations according to Claim 1, comprising one or more additives or active substances selected from the group consisting of antioxidants and/or UV protectants.

11. Preparations according to Claim 1, comprising one or more additives or active substances selected from the group consisting of astringents and/or antimicrobial substances.

12. Process for the preparation of Pickering emulsions, characterized in that the amphiphilic inorganic pigments are dispersed in a manner known per se in the preferably liquid fatty phase, which, if desired, comprises cosmetic or pharmaceutical auxiliaries, additives and/or active ingredients, with uniform stirring and, where necessary, with heating, and during the homogenization process the aqueous phase, which, if desired, likewise comprises cosmetic or pharmaceutical auxiliaries, additives and/or active ingredients, is mixed with the fatty phase.

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